Selenide, Water Dikinase (selD) Shewanella Baltica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Selenide, water dikinase (selD), Recombinant Protein
Full Product Name	Recombinant Shewanella baltica Selenide, water dikinase (selD)
Product Gene Name	selD recombinant protein
Sequence	MSDSPVTLPE SIKLTEYSHG AGCGCKISPK VLSTILASQL PVFTDPNLLV GNQSRDDAAV YKLNDDIGII STTDFFMPIV DDPFTFGRIA ATNAISDIYA MGGTPIMAIA ILGWPINKLP AEVAQQVVDG GRQACMEAGI MLAGGHSIDA PEPIFGLAVT GQIALTDLKQ NDTAKAGDRL YLTKPIGIGI LTTAQKQKKL QDEDSHIAVN AMCQLNTIGT TIAKISGVNA LTDVTGFGLA GHLLEMCQGA KLTAKLKFDA VPLLPRALDY LALGCVPGGT HRNYDSYGEH LPELSEHQKA ILCDPQTSGG LLVAVSAEAE AELIDLLDAH HIAPICIGSL ETPTTEVNVV LC
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	37,041 Da
Sequence Positions	1-352, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A3DA84
Species	Shewanella baltica (strain OS155 / BAA-1091)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for selD recombinant protein	MBS1263462 is a recombinant protein targeting selD. Also known as Recombinant Shewanella baltica Selenide, water dikinase (selD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of selD recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for selD. It may not necessarily be applicable to this product.

NCBI GI #	500173732
NCBI Accession #	WP_011848157.1
UniProt Primary Accession #	A3DA84
GenBank Nucleotide #	WP_011848157.1
NCBI Official Full Name	selenide, water dikinase SelD
UniProt Protein Name	Selenide, water dikinase

UniProt Synonym Protein Names	Selenium donor protein
Protein Family	Selenide, water dikinase
UniProt Gene Name	selD
UniProt Comments for selD	Synthesizes selenophosphate from selenide and ATP.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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